

Appl. No. 10/619,416
Amendment dated: February 3, 2005
Reply to OA of: November 16, 2004

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

Claim 1(canceled).

2(currently amended). An ignition gun comprising:

a hollow body with a tube that stretches out from one side of the hollow body;
a safety switch located on a center opening of said hollow body, one end of said safety switch connected on an inner side of said hollow body to allow a free end of said safety switch to be pressed downward, said safety switch comprises a body, a pressing brim and a pressing part, said pressing part is positioned on top of said body to move forward or backward;

a brake bar installed inside said pressing part, a top of said brake bar is in contact with said pressing part, a bottom of said brake bar is pressed against a stopper, movement of said pressing part is restricted by said stopper, a brim of the hollow body permits access to said safety switch, said brim blocks the pressing brim by engaging a top surface of said pressing brim to prevent said safety switch from being pushed down;

a starting bar stretching downward and located on a bottom of the free end of said safety switch;

a piezo-electric unit located inside said hollow body, a starter of said piezo-electric unit connects to said starting bar, said piezo-electric unit connects to an ignition area of the tube with a wire and connects to an inner side of said tube with another wire to form a discharge spark generating loop;

a gas outlet, one side of said gas outlet connecting to said starting bar, another side of said gas outlet connecting to an outlet of a gas valve of a gas tank;

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a gas tube located on the gas valve of the gas tank and one ~~[[side]]~~ open end thereof connected to the outlet of said gas valve, another ~~[[side]]~~ open end of said gas tube connects to said ignition area; and

said gas outlet comprising a trigger and a gas lever, a center of said trigger connects to the brim of said hollow body, one side of said trigger touches said starting bar of said safety switch, ~~another side of said trigger touches one end of said gas lever,~~ a right angle portion of said gas lever connects to the brim of said hollow body, one side of said gas lever touches said trigger, another side of said gas lever connects to said gas valve of the gas tank.

3(previously presented). The ignition gun with safety switch as recited in claim 2, further comprising a plurality of slippage-proof stripes located on top of said brake bar.

4(previously presented). The ignition gun with safety switch as recited in claim 3, further comprising a regulator installed between said gas valve and the gas tank, said regulator comprises an adjustable rod, said adjustable rod extends out of the hollow body, and said adjustable rod adjusts flow of gas from the gas tank.

5(previously presented). The ignition gun with safety switch as recited in claim 4, further comprising a gas inlet valve located on the gas tank, an open hole of said hollow body corresponds to said gas inlet valve to permit filling of the gas tank.